



LAKES OF INDIA

Parcham Classes

LAKES

The low lying areas of the earth's surface where water accumulates from various sources



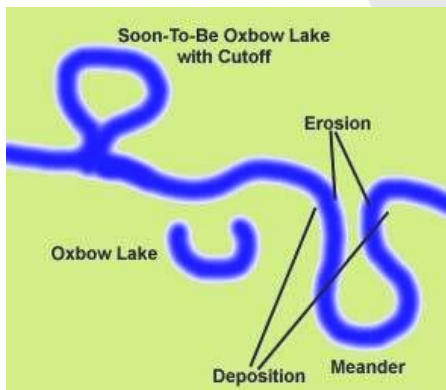
Types of Lakes

- Freshwater Lakes
- Saltwater Lakes
- Glacial Lakes
- Crater Lakes
- Artificial Lakes

Types of Lakes

Oxbow Lakes

when meandering rivers is cut-off from mainstream



Lagoon

Shallow body of water separated from a larger body by reefs, barrier islands, etc.



Lakes in India

- Largest Freshwater Lake – Wular (J&K)
- Largest Freshwater Lake in North-East India – Loktak (Manipur)
- Largest Brackish Water Lake/Lagoon – Chilika (Odisha)
- Largest Artificial Lake – Govind Ballabh Pant Sagar -reservoir of Rihand Dam (U.P. & M.P.)
- Largest inland Salt water Lake – Sambhar (Rajasthan)
- Longest Lake – Vembanad (Kerala) 96.5 km
- Highest Lake - Choluam or Tso Lhamo (Sikkim) 17,487 feet (Gurudongmar Lake 2nd highest – 17,100 feet)

Ramsar Sites

- For conservation of wetlands – Convention (संधि) in Ramsar, Iran
- Adopted – 2nd Feb 1971; Came into force in 1975
- As on 2022 – 49 Ramsar Sites in India
- **Montreux Record** – Register of those Ramsar sites where ecological changes have occurred or are occurring – Keoladeo National Park (Rajasthan) & Loktak Lake (Manipur)

JAMMU AND KASHMIR

- **Wular Lake**
- **Dal Lake**
- Anchar Lake
- Barinag lake
- Sheshnag Lake
- Nagin Lake (jewel in the ring)
- Vishansar Lake
- Mansar Lake – [Ramsar Site](#)
- Gadsar Lake (lake of fishes)
- Manasbal Lake

Wular Lake

- ❖ Largest fresh water lake in India
- ❖ Bandipora district in J&K
- ❖ Fed by the Jhelum River
- ❖ Lake basin formed as a result of tectonic activity
- ❖ The lake's size varies seasonally 30 to 260 km²
- ❖ Ramsar Site since 23 March 1990

Dal Lake

- ❖ Second largest in Jammu and Kashmir
- ❖ Named the *Lake of Flowers, Jewel in the crown of Kashmir or Srinagar's Jewel*



LADAKH

- Tsomoriri Lake : Ramsar Site
- Tso Kar Lake : Ramsar Site
- Pangong Tso or Pangong Lake

Himachal Pradesh

Suraj Taal	Freshwater (High Altitude)	Bhaga River inflow
Maharana Pratap Sagar (Pong Dam Lake)	Freshwater	Ramsar site
Prashar lake	Holomitic (Freshwater)	It has a floating Island
Renuka lake	Freshwater	It is designated as the Ramsar site
Ghepan Lake	Freshwater	
Kareri Lake	Freshwater	
Chandra Taal	Freshwater	

Holomictic lakes are lakes that have a uniform temperature and density from top to bottom at a specific time during the year, which allows the lake waters to completely mix.

UTTARAKHAND

- ❖ Roopkund Lake - Skeleton lake mystery lake - notable for hundreds of skeletons at the lake's edge found in 1942
- ❖ Bhimtal Lake - largest lake in Kumaon region
- ❖ Nainital Lake – Nainital - lake district of India
- ❖ Devtal Lake
- ❖ Malatal Lake
- ❖ Sattal Lake

UTTAR PRADESH

- Fulhar Lake
- Belasagar / Bela Taal

PUNJAB

- Harike Lake : Ramsar Site
- Kanjli Lake : Ramsar Site
- Ropar Lake : Ramsar Site

HARYANA

- Surajkund
- Damdama Lake
- Badkhal Lake
- Brahma Sarovar
- Blue Bird Lake

RAJASTHAN

- ❖ Sambhar Lake - India's largest inland salt lake – Ramsar site
- ❖ Lunkaransar Lake (natural)
- ❖ Pachpadra Lake (natural)
- ❖ Nakki Lake
- ❖ Rajsamand Lake
- ❖ Balsamand lake
- ❖ Dhebar Lake/ Jaisamand Lake (India's 2nd largest artificial lake)
- ❖ Pushkar Lake
- ❖ Didwana Lake
- ❖ Udai Sagar Lake

Gujarat

Nal Sarovar	Natural freshwater	Ramsar Site
Hamirsar lake	Artificial	Situated in centre of Bhuj
Kankaria lake	Artificial	During 14th century by Muhammed Shah II
Narayan Sarovar	Artificial freshwater	Pilgrimage site for Hindus
Thol Lake	Artificial	Ramsar Site

Maharashtra

- Shiv Sagar Lake
- Venna Lake – Mahabaleshwar
- Salim Ali Lake
- Lonar Lake (**Lonar crater**)
 - Notified National Geo-heritage Monument
 - Located at Lonar in Buldhana district, Maharashtra
 - Was created by an asteroid collision with earth impact during the Pleistocene Epoch



The water of Lonar Lake **turned into pink colour recently**, due to the Haloarchaea microbes present in the salty water.

BIHAR

- Kabar Tal/ Kanwar Taal : It the first Ramsar site in Bihar.

ASSAM

- Deepor Beel : Ramsar Site
- Chapanala Lake
- Haflong Lake
- Chandubi Lake

ODISHA

- **Chilika Lake**
- Victoria Sagar Lake
- Anshupa Lake
- Kanjia Lake

Chilika Lake

- ❖ Ramsar Site
- ❖ Largest brackish water lagoon in India
- ❖ It is the largest coastal lagoon in India
- ❖ Spread over the Puri, Khurda and Ganjam districts of Odisha state on the east coast of India

MANIPUR - Loktak Lake

- ❖ Ramsar Site, also under Montreux Record
- ❖ Largest freshwater lake in North-Eastern India.
- ❖ Also called the only floating lake in the world due to the floating Phumdis.
- ❖ Located on this phumdi - **Keibul Lamjao National Park**- the only floating national park in the world
- ❖ Park is the last natural refuge of endangered **Sangai** (state animal of Manipur)



Phumdi



Sangai

SIKKIM

❖ **Cholamu Lake/ Tso Lhamo - (Highest lake of India)**

- ❖ Gurudongmar Lake
- ❖ Khecheopalri Lake
- ❖ Tsongmo Lake
- ❖ Samiti Lake
- ❖ South Lhonak glacial lake

ANDHRA PRADESH

❖ **Pulicat Lagoon**

- ❖ Second largest brackish water lagoon in India
- ❖ Between Andhra Pradesh & Tamil Nadu

❖ **Kolleru Lake**

- ❖ Freshwater Lake
- ❖ Ramsar Site
- ❖ Located between Krishna and Godavari delta

Nagarjuna Sagar

Andhra Pradesh

Artificially constructed;
Krishna river

Telangana

Hussain Sagar

Artificial Gibraltar rock-island

Badrakali lake

Artificial lake

Osman Sagar

Artificial (dam reservoir on Musi River)

Himayat Sagar

Artificial lake

Pakhal Lake

Artificial lake

Karnataka

- Shanti Sagar/Sulekere lake (artificial)
- Agara Lake
- Ulsoor Lake
- Bellandur Lake
- Pampa Sarovar

KERALA

- **Vembanad Lake (Ramsar site)**
- Ashtamudi Lake (Ramsar Site)
- Periyar Lake
- Sasthamkotta lake (queen of lakes) - largest freshwater lake in Kerala. (Ramsar Site)
- Vellayani Lake
- Veli Lake
- Kuttanad

Vembanad Lake

- ❖ Ramsar Site
- ❖ India's longest lake
- ❖ Largest lake/ brackish lagoon (Kayal) in Kerala
- ❖ **Kayal** - Kerala backwaters - shallow lagoons or inlets of the sea, lying parallel to the coastline.

TAMIL NADU

- ❖ Kodaikanal Lake
- ❖ Veeranam Lake
- ❖ Kailveli Lake
- ❖ Chembarambakkam Lake
- ❖ Berijam Lake
- ❖ Pulicat
 - ❖ Second largest brackish water lagoon in India
 - ❖ Between Andhra Pradesh & Tamil Nadu

Other Lakes

Bhojtal	Madhya Pradesh	Ramsar site; largest artificial lake in India
Sala Lake	Arunachal Pradesh	High altitude lake
Uiam Lake / Barapani Lake	Meghalaya	Artificial, by damming the Uiam river
Tamdil / Tam Lake	Mizoram	Also called Lake of Mustard

The Largest Lakes (surface area) by Continent

- Australia – Lake Eyre (salt lake)
- Africa – Lake Victoria, also the third-largest freshwater lake on Earth. It is one of the Great Lakes of Africa.
- Antarctica – Lake Vostok (subglacial)
- Asia – Lake Baikal (if the Caspian Sea is considered a lake, it is the largest in Eurasia, but is divided between the two geographic continents)
- Europe – Lake Ladoga, followed by Lake Onega, both located in northwestern Russia.
- North America – Lake Superior.
- South America – Lake Titicaca, which is also the highest navigable body of water on Earth at 3,812 metres above sea level. The much larger Lake Maracaibo is a contiguous body of water with the sea, so it is ignored.



Parcham Classes

“Belief creates the actual fact.”

— **William James**